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Observations of Occultations of Stars by the Moon, and of Phenomena of Jupiter's Satellites, made at the Royal Observatory, Greenwich, in the Year 1893.

			Occultations of	Occultations of Stars by the Moon.				
	Day.		Phenomenon.	Telescope.	Power.	Moon's limb.	Mean Solar Time of Observation.	Observer.
(į		Mour Dofmorton	818	Dark	h m s o 58 25.05	1
1893	Feb. 26	Disapp.	Disapp. c Geminorum	Merz, iverración	7		ני נני טני ני	i (
	Apr. 18	*	32 Tauri	Astrographic Equat.	225	ť	09.65 9 6	C. D.
	18		32 Tauri	E. Equat.	55		6 7 0.30	A. C.
	18 (a)		B.D. + 22° No. 602	Astrographic Equat.	225		8 57 32.95	C. D.
	(9) 81		B.D. $+22^{\circ}$ No. 606		*	2	9 7 46.77	"
	(0) 61	: :	B.D. + 25° No. 762	Altaz,	100		8 13 (3.24)	Ħ
	61	: :	B.D. + 25° No. 762	Astrographic Equat.	225	:	8 13 13.76	C. D.
	(<i>p</i>) 61	: ;	W.B. (2) IV. 1,144	Altaz.	100	â	8 39 35.08	Ħ
	19	: :	W.B. (2) IV. 1,144	Astrographic Equat.	120		8 39 34.87	C. D.
	19 (e)	; :	W.B. (2) IV. 1,142	Altaz.	100	2	8 43 46.88	Ħ
	61	: :	W.B. (2) IV. 1,142	Astrographic Equat.	120	"	8 43 48.58	C. D.
	50	2	B.D. +27° No. 963 (1st *)	•	,,	2	2 56 11.02	
	20(f)		B.D. + 27° No. 964	*		*	8 3 9.57	
	20 20	8	B.D. $+ 27^{\circ}$ No. 966	Merz. Refractor	418	2	8 9 1.24	ij

146	46 Greenwich						Observations of Occultations											LIV.		
Observer.	C. D.	D. E.	C. D.	H. T.	B.	J.	ë.	A. C.	Ħ.	C.D.	*	£	:		H. F.	C. D.	B.		A. E.	
Mean Solar Time of Observation.	h m s 8 9 0'93	8 9 1.02	9 43 5.55	9 17 35'21	09.58 21 6	9 17 35'31	12 39 9.00	12 34 53.22	19.12 19.31	8 53 22:80	9 8 20.74	9 21 46.77	9 31 44.53	9 37 39.44	10 I3 27.71	10 13 27.98	13 37 14.84	14 27 29'93	14 27 29.78	
Moon's limb.	Dark	"	"	ĸ	ť		"		£	:	a			"	"	:	\mathbf{Bright}	\mathbf{Dark}		
Power.	120	50	70	24	100	÷	100	70	2	120		••			225	9	100		225	
Telescope.	Astrographic Equat.	3-in. Finder of Merz. Refractor	E. Equat.	$2^{1\over 2}$ -in. Finder of E. Equat.	Altaz.	E. Equat.	Altaz.	E. Equat.	66	Astrographic Equat.	"	**	•	60	**	Altaz.	"	66	Astrographic Equat.	
Phenomenon,	Disapp. B.D. + 27° No. 966	", B.D. $+27^{\circ}$ No. 966	", B.D. $+27^{\circ}$ No. 994	" 47 Geminorum	" 47 Geminorum	" 47 Geminorum	" W.B. (2) VII. 318	" A Cancri	Reapp. b Sagittarii	Disapp. B.D. + 27° No. 1,226	", B.D. $+27^{\circ}$ No. 1,229	" W.B. (2) VI. 1,192–3	", B.D. $+27^{\circ}$ No. 1,237	" B.D.—15° No. 3,862	" B.D.+2° No. 2,499	", B.D. $+2^{\circ}$ No. 2,499	" 32 Tauri	Reapp. 32 Tauri	" 32 Tauri	
Day,	1893 Apr. 20	20	20	21	21	21	21 (g)	22	May 6	81	81	81	81	27(h)	June 20	20	\mathbf{July} 9 (i)	6	6	

Jan.	1894.				of	Sta	rs	by	the	Me	oon,]
Observer.	H. F.	£	'n.	C. D.	C. M.	B.	C. D.	ij	H. F.	D. E.	C.D.	
Mean Solar Time of Observation.	h m s 10 25 18·58	7 11 1.47	9 3 22.84	9 5 10 26	15 8 44'38	11 44 29.72	11 44 29.47	10 Ig (36'54)	10 19 46·80	10 19 45 ⁸ 9	5 42 29.97	
Moon's limb.	Dark	ï			Bright	Dark		2		*	•	
Power.	225		55	225	55	100	55	ŗ	225	100	225	
Telescope,	Astrographic Equat.	æ	E. Equat.	Astrographic Equat.	E. Equat.	Altaz.	E. Equat.	•	Astrographic Equat.	Altaz.	Astrographic Equat,	
Phenomenon,	Reapp. 56 Aquarii	" e Piscium	Disapp. 37 Capricorni	" 38 Capricorni	", 40 Arietis		", ω^2 Cancri	Disapp. 8 Arietis	" 8 Arietis	" S Arietis	" B.D. – 14° No. 6,301	
Day.	1893 July 30	Sept. $26(j)$	Oct. 19	61	25(k)	30 (1)	30	Nov. 22	22 (m)	22	Dec. 14	

(e) There was a cloud over the moon which had previously obscured the star; this is not considered a good observation; the star was The star appeared to disappear behind limb at 10h 31m 48'5", and was then repeatedly seen again as though through limb; it was though the star was seen through the limb. last seen at above time.

The dark limb was quite visible and the star disappeared at above time, but there was a momentary flash about 10 secs. later, as

(b) Difficult observation.

(a) Limb distinctly seen.

(g) A very difficult observation. (i) Not considered a good observation. (f) Poor observation; very faint; cloudy. difficult to see. M 2

(j) Limb nearly full, so probably a little late. (m) Bright and instantaneous. (l) A rough observation. (h) Not considered a good observation.
(c) Disappeared in blue rim of moon Disappeared in blue rim of moon.

1 4	1 8						Gr	eer	wi	ch	Obs	erv	ati	ons					:	LIV.	3,
	Observer.	A. C.	:	:	A. E.	2	2	C. D.	æ	щ		T. H.	ij	"	H.	£		B.	Ľ.		£
	Mean Solar Time of N.A.	п	8 39			8 39			6		7 24	7 24		0 43		6 43		6 43		5 50	
	Mean Solar Time of Observation.	h m s 8 35 53)	8 40 8	8 43 12	8 38 38	8 42 7	8 55 5	9 0 47)	9 4 39	7 25 25)	7 29 58	7 28 58	6 44 30	6 45 10	6 40 24	6 41 59	6 44 33	6 44 19	5 50 15	5 51 58	5 54 14
lites.	Power.	200	"		225	2		:	2	130	*	200	295		200	:	66	100	285	:	:
Phenomena of Jupiter's Satellites.	Telescope.	E. Equat.		,,	Astrographic Equat.	2		"		Merz. Refractor	**	E. Equat.	Merz. Refractor	**	E. Equat.	4	4	Altaz.	Merz. Refractor	99	•
Pheno	Phenomenon.	Tr. Ing. First contact	Bisection	Last contact	Tr. Ing. First contact	Bisection	Last contact	Tr. Ing. First contact	Last contact	Tr. Ing. Bisection	Last contact	Tr. Ing. Last contact	Occ. D. Bisection	Last seen	Occ. D. First contact	Bisection	Last seen	Occ. D. Last seen	Tr. Ing. First contact	Bisection	Last contact
	Satellite.	III.	111.	III.	III. (a)	111.	111.	I. (b)	ij	H	I.	ij	1, (c)	I.	I. (d)	I.	ï	I. (e)	ij	ij	ij
	Day.	1893 Jan. 2	а	8	9	O	а	63	E	19	19	61	27	27	27	27	27	27	Feb. 4	4	4